

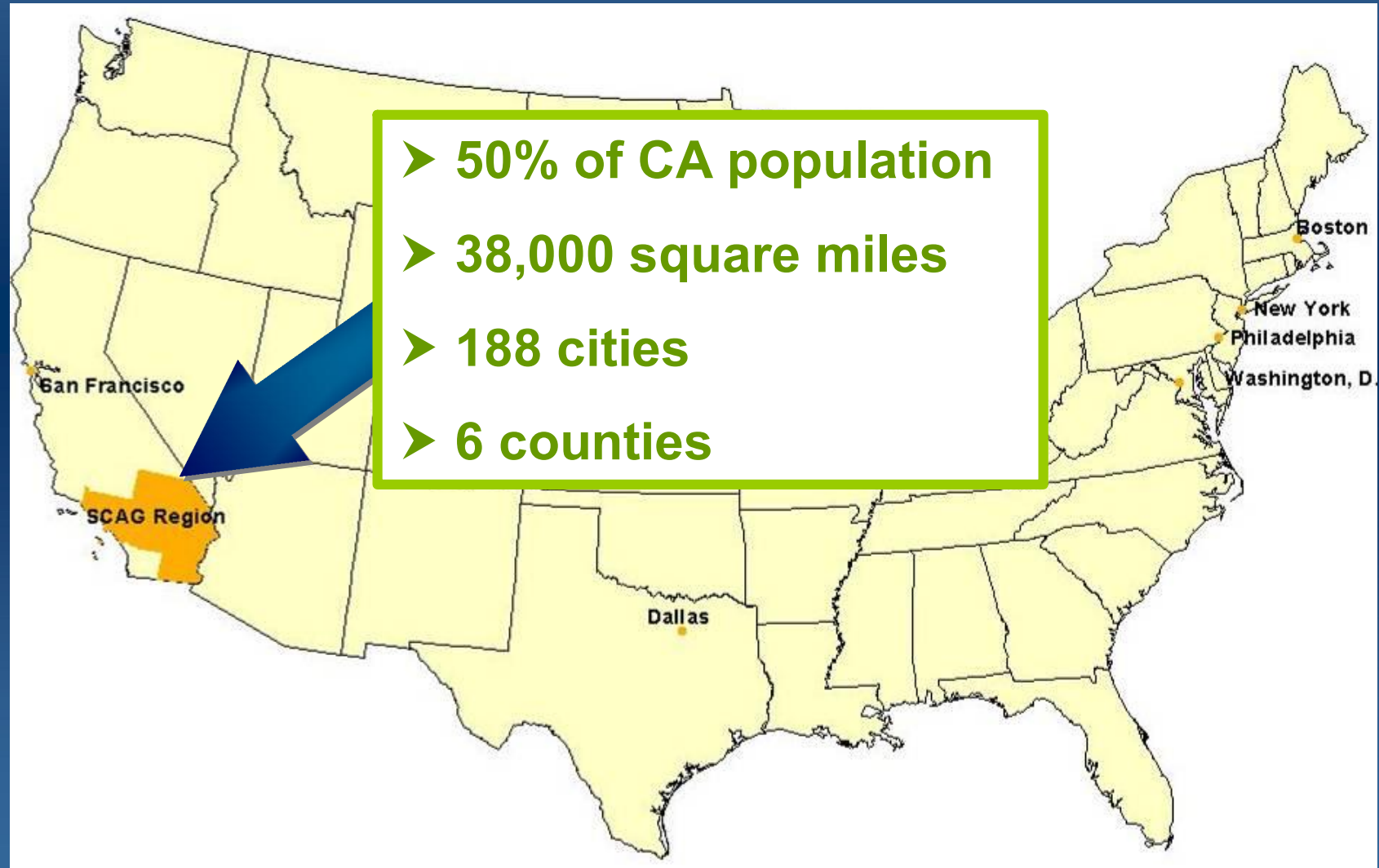
Turning the Ship Around: Peak Oil and Energy Uncertainty on a Regional Scale



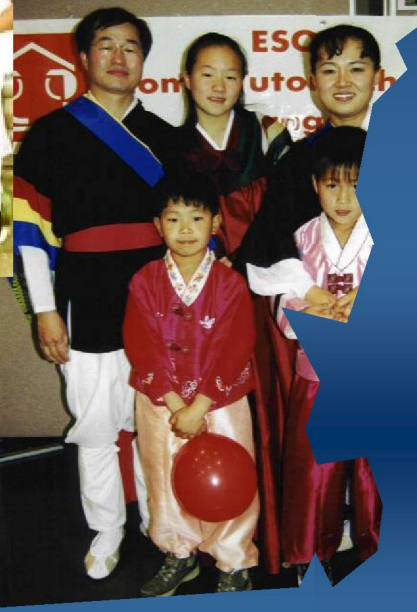
APA National Planning Conference
April 30, 2008



The Regional Planning Agency for Southern California



**Most socially
& culturally
diverse region
in the world**



**18 million people now...
24 million by 2035**



**15th largest
economy
in the world**



**Energy intensive
economy**

- This governing board guides SCAG's policy direction
- Meets once a month
- Composed of:
 - Elected Officials from 65 Districts
 - 7 County Representatives
 - 4 County Transportation Commission Representatives
 - Tribal Nations
- Receives Advice from Policy Committees



***78 Voting
Members***



Transportation & Communications Committee



Community, Economic & Human Development



Energy & Environment Committee



Administration Committee



Committees Composed of Local Elected Officials, Including Subregional Representatives

SCAG Energy Facts

23+

million gallons of petroleum
consumed daily

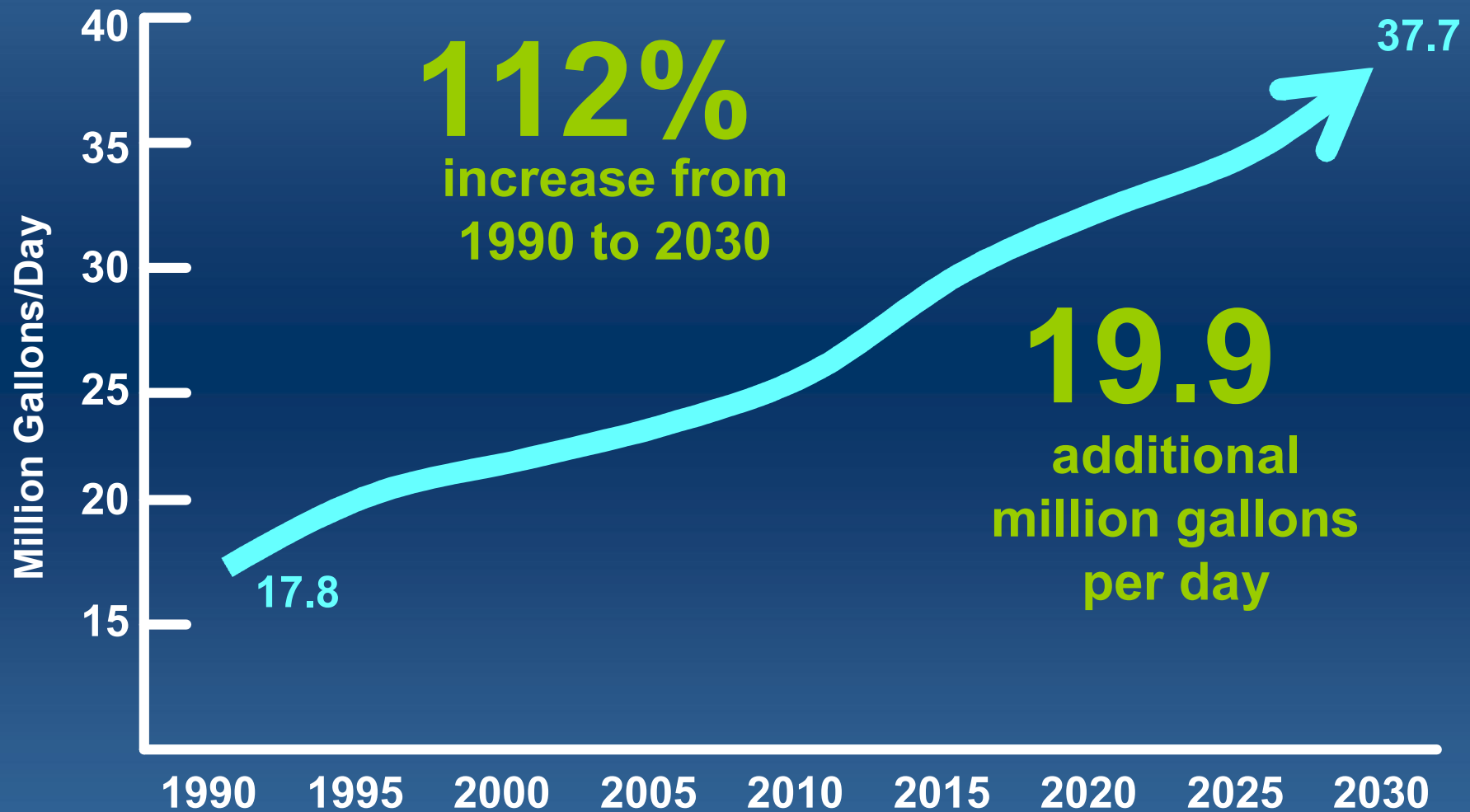
15%

electricity generated from
renewable resources

20%

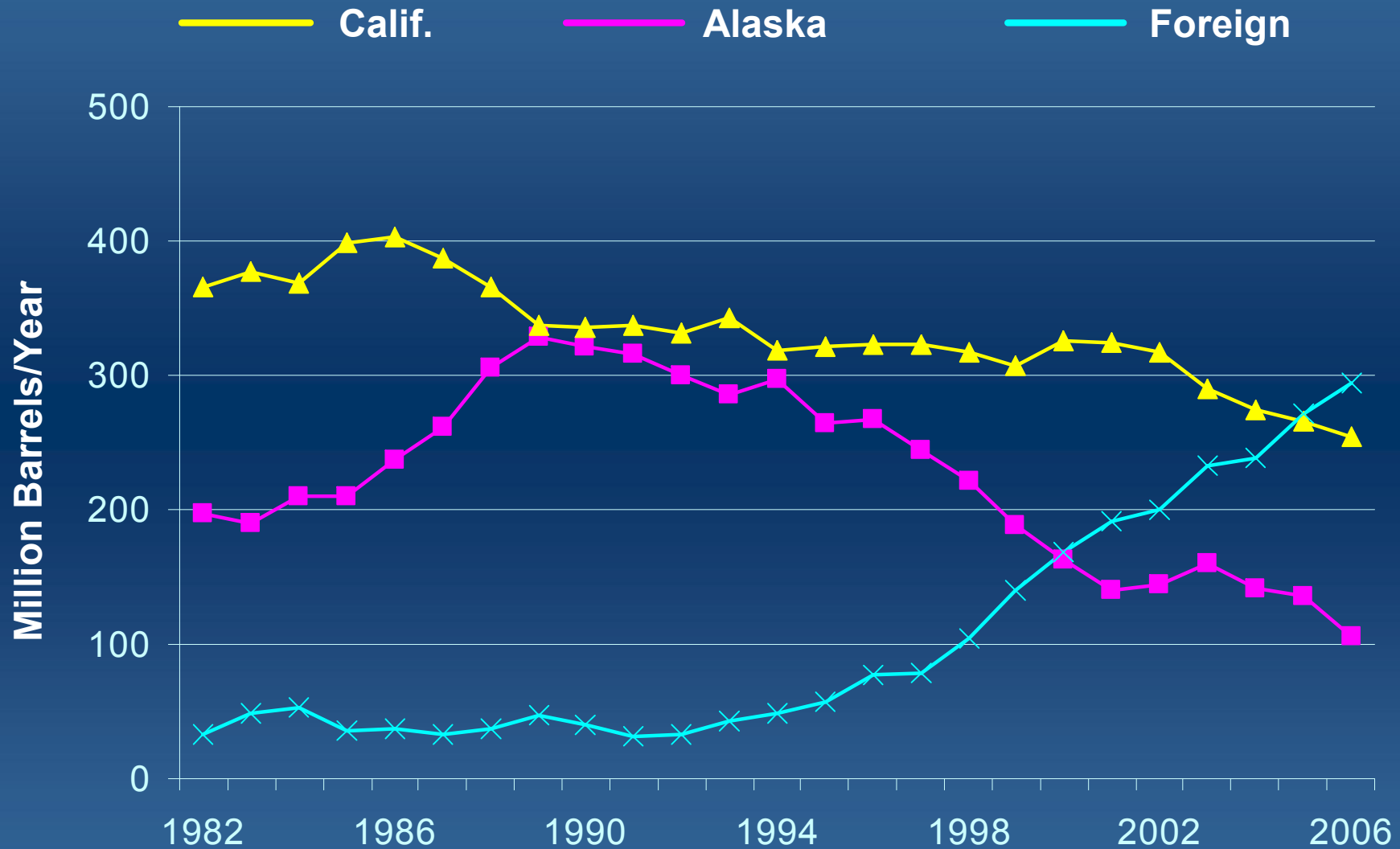
increase in vehicle fuel
consumption in last 10 years

SCAG Fuel Consumption



Source: California Department of Transportation, Division of Transportation System Information. (December 2006). California Motor Vehicle Stock, Travel and Fuel Forecast.

Oil Supply Sources to California

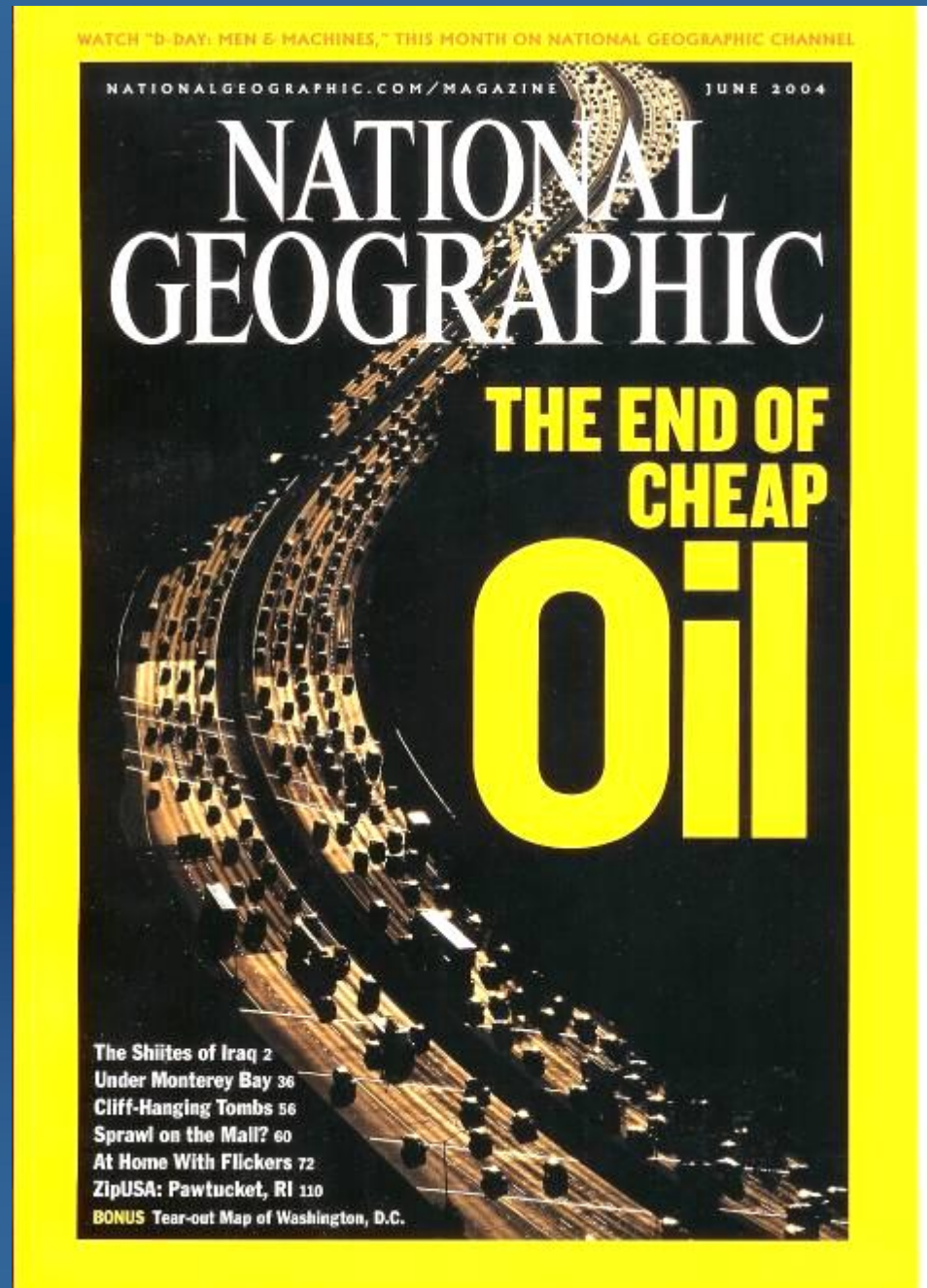


Source: California Energy Commission, Oil Supply Sources to California Refineries

Change Is Difficult...



...But
Necessary



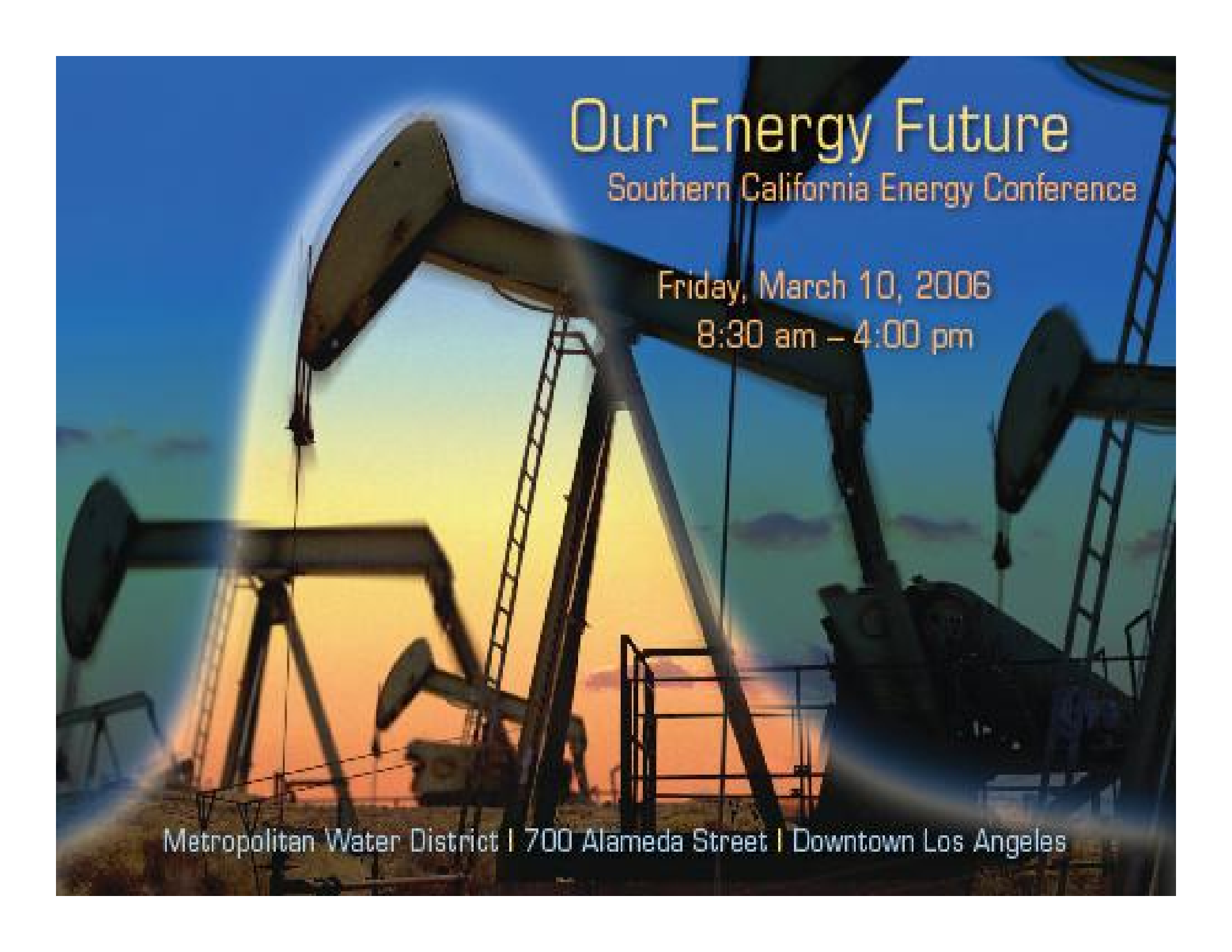
Debbie Cook, Mayor
City of Huntington Beach,
CA



- Seven years on Huntington Beach City Council
- SCAG Regional Council
- SCAG Energy and Environment Committee Chair
- SANDAG Borders Committee
- Orange County Parks Commission
- Pacific Cable Television Authority
- Positions with California Desalination Task Force, League of California Cities Board of Directors and Environmental Quality Policy Committee

SCAG & PEAK OIL



The background of the entire slide is a photograph of several oil pumpjacks (jackhammers) in an oil field. The scene is captured during sunset or sunrise, with the sky transitioning from a deep blue at the top to a bright orange and yellow near the horizon. The pumpjacks are dark silhouettes against the bright sky. One pumpjack in the center-left is particularly prominent, with its long arm and walking beam clearly visible. Other pumpjacks are visible in the foreground and background, creating a sense of a large-scale oil operation.

Our Energy Future

Southern California Energy Conference

Friday, March 10, 2006

8:30 am – 4:00 pm

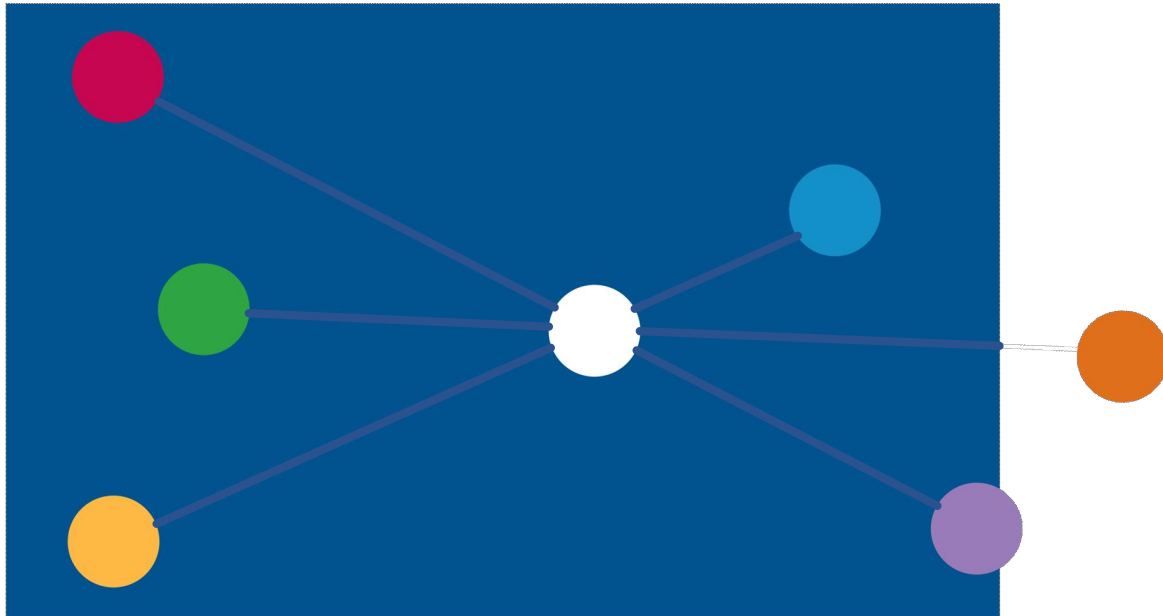
Metropolitan Water District | 700 Alameda Street | Downtown Los Angeles

Energy Working Group

- Comprised of elected officials, experts, utilities, business & environmental groups
- Reviewed potential SCAG energy policies
- Developed outcomes and performance indicators



REGIONAL



Comprehensive Plan

Land Use
Open Space & Habitat
Transportation
Water
Energy
Solid Waste
Security & Emergency
Preparedness
Economy
Air Quality

Helping Communities Achieve A Sustainable Future



RCP

- Addresses growth challenge and infrastructure needs in integrated way
- Recommends policies for SCAG, local governments and other stakeholders
- Builds off SCAG's Compass Blueprint
- Focus on sustainability
- Measurable objectives

A photograph of two large cargo ships sailing on a blue sea under a blue sky with scattered white clouds. The ship in the foreground is a smaller vessel with a white superstructure and a dark hull, moving towards the right. The ship in the background is a larger vessel with a white superstructure and a dark hull, also moving towards the right. Both ships are creating white wakes in the water. The text "We may have all come on different ships, but we're in the same boat now." is overlaid on the image in a yellow font with a blue outline.

**We may have all come on
different ships, but we're in the
same boat now.**

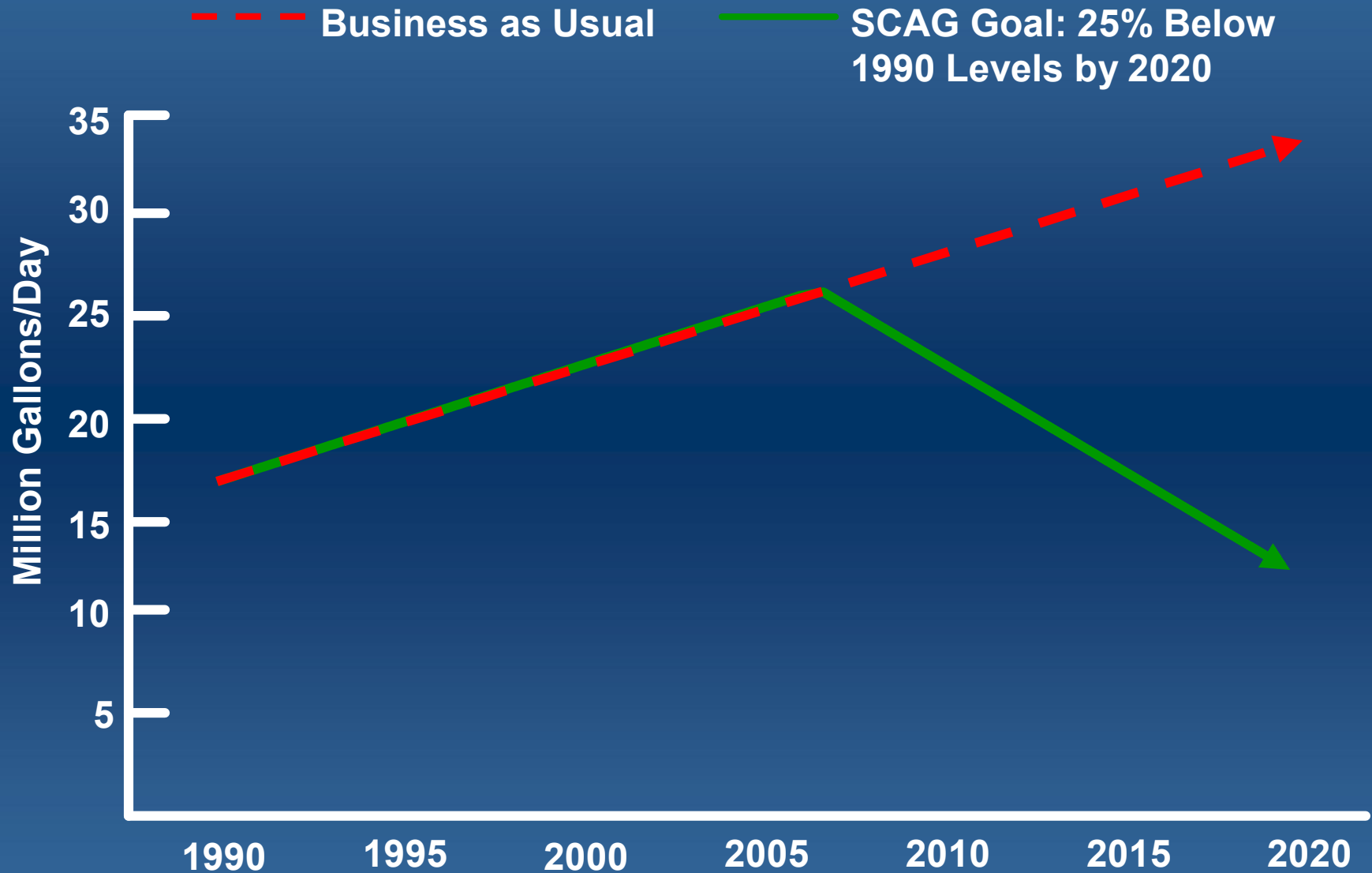
Martin Luther King, Jr.

A Need for Sustainable Goals

- Reduce fossil fuel consumption 25% below 1990 levels by 2020
- Increase the region's use of renewable energy to 30% by 2020



Reversing Fuel Consumption



Source: Source: California Department of Transportation, Division of Transportation System Information. (December 2006). California Motor Vehicle Stock, Travel and Fuel Forecast and SCAG.

Alternative Fuels



Renewable Energy



Land Use and Building Design



Transit Expansion



Transit-Oriented Development



- Residents drive 45% less
- Reduce fuel use by 500 gallons per year
- Higher demand for TOD in the region

Source: Victoria Transport Policy Institute

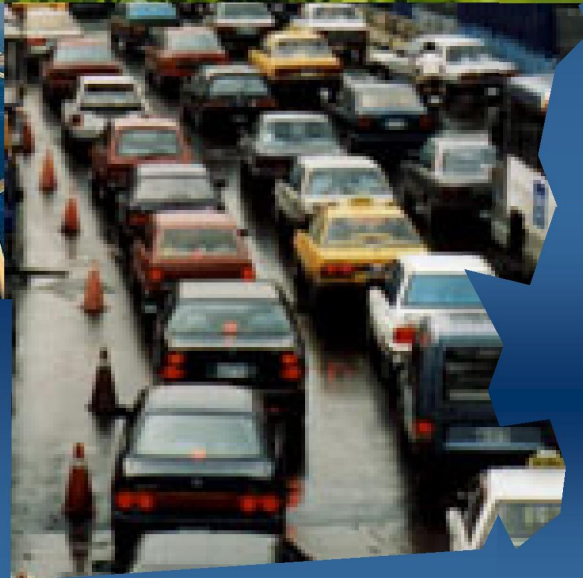
Changing Our Assumptions



What's on the Horizon



Preparing future work and research



Lessons Learned



- Regions can address energy uncertainty
- Be patient yet persistent
- Work across disciplines
- Use common language
- Find opportunities for action



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www.scag.ca.gov/rtp2008



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